Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/09/2018 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124055	-1	2.25	124047	2.26
Blue	F	SSC	125000	122885	-2	2.36	123713	2.30
Blue	E	FITC	15492	15082	-3	3.41	354	22.24
Blue	D	PE	28736	28111	-3	2.49	620	16.94
Blue	B	PerCP-Cy5-5	41413	41090	-1	4.82	1123	23.80
Blue	A	PE-Cy7	31321	31222	-1	8.14	564	51.62
Red	C	APC	41673	41111	-2	3.01	1593	13.46
Red	A	APC-Cy7	29962	29454	-2	3.91	736	14.68
Violet	B	V450	8318	7966	-5	4.37	441	14.71
Violet	A	V500	34199	33310	-3	4.05	801	11.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20324	4.13	614	1	N/A	N/A	Pass
Blue	F	SSC	55176	1.97	579	11	N/A	N/A	Pass
Blue	E	FITC	59	74.13	562	1	0.0149	158	Pass
Blue	D	PE	122	58.95	562	2	0.1141	253	Pass
Blue	B	PerCP-Cy5-5	208	57.83	672	5	0.0069	55	Pass
Blue	A	PE-Cy7	107	132.01	737	15	0.0078	30	Pass
Red	C	APC	360	29.45	602	1	0.0191	174	Pass
Red	A	APC-Cy7	182	33.06	581	5	0.0044	1280	Pass
Violet	B	V450	66	70.36	475	-2	0.0423	2288	Pass
Violet	A	V500	114	37.79	493	-1	0.0206	997	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.60	-31.88	1.12
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.48
Red	16.75	13.60 - 20.40	N/A	N/A	28.89	29.54	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10678

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments